

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-33 (canceled).

Claim 34 (previously presented): An optometric apparatus which performs a subjective eye examination by prompting a subject to view test symbols displayed on display means by one of the right and left eyes at a time and then obtaining a result of viewing by the subject, the optometric apparatus comprising:

astigmatic axis angle determination means for displaying test symbols for determining an astigmatic axis angle and then obtaining a result of viewing by the subject to determine the astigmatic axis angle;

hyperopia and myopia determination means for displaying test symbols for determining hyperopia or myopia in two orthogonal orientations selected in accordance with the determined astigmatic axis angle, and then obtaining a result of viewing by the subject to determine hyperopia or myopia at the determined astigmatic axis angle and at an angle orthogonal thereto; and

refractive power determination means for displaying test symbols for determining a refractive power in two orthogonal orientations selected in accordance with the determined astigmatic axis angle, and then obtaining a result of viewing by the subject to determine refractive powers at the determined astigmatic axis angle and at an angle orthogonal thereto; wherein

the hyperopia and myopia determination means comprises: means for displaying a first hyperopia and myopia determination chart having a red-based color background area and a blue-based color background area, in both of the areas black-based color straight lines are drawn in one of the two selected orthogonal orientations; means for prompting the subject to select the area which provides a clearer appearance of the straight lines to the subject in the displayed first hyperopia and myopia determination

chart; means for displaying a second hyperopia and myopia determination chart having a red-based color background area and a blue-based color background area, in both of the areas black-based color straight lines are drawn in the other of the two selected orthogonal orientations; means for prompting the subject to select the area which provides a clearer appearance of the straight lines to the subject in the displayed second hyperopia and myopia determination chart; means for determining hyperopia and myopia at the astigmatic axis angle determined and at an angle orthogonal thereto in accordance with a result selected in the first hyperopia and myopia determination chart and a result selected in the second hyperopia and myopia determination chart.

Claim 35 (previously presented): An optometric apparatus which performs a subjective eye examination by prompting a subject to view test symbols displayed on display means by one of the right and left eyes at a time and then obtaining a result of viewing by the subject, the optometric apparatus comprising:

astigmatic axis angle determination means for displaying test symbols for determining an astigmatic axis angle and then obtaining a result of viewing by the subject to determine the astigmatic axis angle;

hyperopia and myopia determination means for displaying test symbols for determining hyperopia or myopia in two orthogonal orientations selected in accordance with the determined astigmatic axis angle, and then obtaining a result of viewing by the subject to determine hyperopia or myopia at the determined astigmatic axis angle and at an angle orthogonal thereto; and

refractive power determination means for displaying test symbols for determining a refractive power in two orthogonal orientations selected in accordance with the determined astigmatic axis angle, and then obtaining a result of viewing by the subject to determine refractive powers at the determined astigmatic axis angle and at an angle orthogonal thereto; wherein

the hyperopia and myopia determination means includes: means for displaying a first hyperopia and myopia determination chart having a red-based color background area and a blue-based color background area, in both of the areas black-based color

straight lines are drawn in one of the two selected orthogonal orientations; means for prompting the subject to select the area which provides a clearer appearance of the straight lines to the subject in the displayed first hyperopia and myopia determination chart; means for displaying a second hyperopia and myopia determination chart having a red-based color background area and a blue-based color background area, in both of the areas black-based color straight lines are drawn in the other of the two selected orthogonal orientations; means for prompting the subject to select the area which provides a clearer appearance of the straight lines to the subject in the displayed second hyperopia and myopia determination chart; means for displaying a third hyperopia and myopia determination chart having a red-based color background area in which black-based color straight lines are drawn in the one of the two selected orthogonal orientations and a blue-based color background area in which black-based color straight lines are drawn in the other of the two selected orthogonal orientations; means for prompting the subject to select the area which provides a clearer appearance of the straight lines to the subject in the displayed third hyperopia and myopia determination chart; means for displaying a fourth hyperopia and myopia determination chart having a red-based color background area in which black-based color straight lines are drawn in the other of the two selected orthogonal orientations and a blue-based color background area in which black-based color straight lines are drawn in the one of the two selected orthogonal orientations; means for prompting the subject to select the area which provides a clearer appearance of the straight lines to the subject in the displayed fourth hyperopia and myopia determination chart; and means for determining hyperopia and myopia at the astigmatic axis angle determined and at an angle orthogonal thereto in accordance with a result selected in the first hyperopia and myopia determination chart, a result selected in the second hyperopia and myopia determination chart, a result selected in the third hyperopia and myopia determination chart, and a result selected in the fourth hyperopia and myopia determination chart.

Claim 36 (previously presented): The optometric apparatus according to claim 34, wherein the hyperopia and myopia determination means includes the hyperopia and

myopia determination chart in which the blue-based color area has a lower brightness than that of the red-based color area.

Claim 37 (previously presented): The optometric apparatus according to claim 36, wherein the hyperopia and myopia determination means limits the time of displaying each of the hyperopia and myopia determination charts.

Claim 38 (previously presented): The optometric apparatus according to claim 35, wherein the hyperopia and myopia determination means includes the hyperopia and myopia determination chart in which the blue-based color area has a lower brightness than that of the red-based color area.

Claim 39 (previously presented): The optometric apparatus according to claim 38, wherein the hyperopia and myopia determination means limits the time of displaying each of the hyperopia and myopia determination charts.

Claims 40-54 (canceled).

Claim 55 (previously presented): The optometric apparatus according to claim 34, comprising: rough determination means including means for displaying a rough determination chart in which test symbols having no directivity are varied in size in a stepwise manner and means for prompting the subject to select the smallest viewable test symbol in the displayed rough determination chart to determine a subject's rough view; wherein

the hyperopia and myopia determination means has means for adjusting the width and intervals of the straight lines drawn in each of the hyperopia and myopia determination charts displayed in accordance with the rough view determined.

Claim 56 (previously presented): The optometric apparatus according to claim 35, comprising: rough determination means including means for displaying a rough

determination chart in which test symbols having no directivity are varied in size in a stepwise manner and means for prompting the subject to select the smallest viewable test symbol in the displayed rough determination chart to determine a subject's rough view; wherein

the hyperopia and myopia determination means has means for adjusting the width and intervals of the straight lines drawn in each of the hyperopia and myopia determination charts displayed in accordance with the rough view determined.

Claims 57-61 (canceled).

Claim 62 (previously presented): A lens power determination method for performing a subjective eye examination by prompting a subject to view test symbols displayed on display means by one of the right and left eyes at a time and then obtaining a result of viewing by the subject, the method comprising the steps of:

displaying test symbols for determining an astigmatic axis angle and then obtaining a result of viewing by the subject to determine the astigmatic axis angle;

displaying test symbols for determining hyperopia or myopia in two orthogonal orientations selected in accordance with the determined astigmatic axis angle, and then obtaining a result of viewing by the subject to determine hyperopia or myopia at the determined astigmatic axis angle and at an angle orthogonal thereto; and

displaying test symbols for determining a refractive power in two orthogonal orientations selected in accordance with the determined astigmatic axis angle, and then obtaining a result of viewing by the subject to determine a refractive power at the determined astigmatic axis angle and at an angle orthogonal thereto; wherein

the step of determining hyperopia and myopia comprises the steps of: displaying a first hyperopia and myopia determination chart having a red-based color background area and a blue-based color background area, in both of the areas black-based color straight lines are drawn in one of the two selected orthogonal orientations; prompting the subject to select the area which provides a clearer appearance of the straight lines to the subject in the displayed first hyperopia and myopia determination chart;

displaying a second hyperopia and myopia determination chart having a red-based color background area and a blue-based color background area, in both of the areas black-based color straight lines are drawn in the other of the two selected orthogonal orientations; prompting the subject to select the area which provides a clearer appearance of the straight lines to the subject in the displayed second hyperopia and myopia determination chart; displaying a third hyperopia and myopia determination chart having a red-based color background area in which black-based color straight lines are drawn in the one of the two selected orthogonal orientations and a blue-based color background area in which black-based color straight lines are drawn in the other of the two selected orthogonal orientations in; prompting the subject to select the area which provides a clearer appearance of the straight lines to the subject in the displayed third hyperopia and myopia determination chart; displaying a fourth hyperopia and myopia determination chart having a red-based color background area in which black-based color straight lines are drawn in the other of the two selected orthogonal orientations and a blue-based color background area in which black-based color straight lines are drawn in the one of the two selected orthogonal orientations; prompting the subject to select the area which provides a clearer appearance of the straight lines to the subject in the displayed fourth hyperopia and myopia determination chart; and determining hyperopia and myopia at the astigmatic axis angle determined and at an angle orthogonal thereto in accordance with a result selected in the first hyperopia and myopia determination chart, a result selected in the second hyperopia and myopia determination chart, a result selected in the third hyperopia and myopia determination chart, and a result selected in the fourth hyperopia and myopia determination chart.

Claims 63-68 (canceled).

Claim 69 (new): The lens power determination method according to claim 62, wherein the step of determining a refractive power comprises the steps of: sequentially displaying a plurality of refractive power determination charts which have a combination of test symbols having a certain number of straight lines drawn in parallel in the two

Serial No. 10/531,958

March 12, 2008

Reply to the Supplemental Notice of Allowance dated February 7, 2008

Page 8 of 10

selected orthogonal orientations in which the step difference in size is two or more; prompting the subject to select the smallest viewable test symbol in each of the displayed refractive power determination charts; and determining refractive powers at the determined astigmatic axis angle and at an angle orthogonal thereto in accordance with the test symbols selected in each of the refractive power determination charts.